

PRODUCT

S•COM 4

DESCRIPTION

GATE/COMPRESSOR

SERIES

S•CLASS

CATEGORY

SIGNAL PROCESSING**GENERAL DESCRIPTION**

The Samson S•Com 4 is a one rack space, four channel dynamics processor optimized for recording, live sound reinforcement systems, DJ set-ups and commercial installations. The S•Com 4 is a complete, four channel Compressor, Expander/Gate, and Enhancer. S•Com 4's convenient meters provide instant status of important gain management settings.

FEATURES

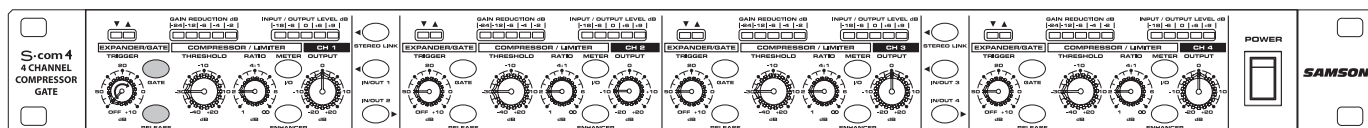
- > Four channel dynamics processor including Compressor/Limiter and Expander/Gate on each channel.
- > 5 Segment LED Input/Output Meter, plus 5 Segment LED Gain Reduction Meter on each channel.
- > Gate function can be switched from hard off to light Downward Expander.
- > Gate Open and Closed LED's.
- > Expander/Gate with switchable Fast and Slow Release times.
- > Stereo Link Switch for channels 1 & 2 and 3 & 4.
- > Advanced circuit design, utilizing low noise operational amplifiers and high quality VCAs.
- > Servo balanced inputs and outputs on XLR and 1/4" connectors.
- > Switchable +4 and -10 operating levels.

- > High quality, 41 position detent pots and backlit switches.
- > The stylish bead blasted electric blue anodized front-panel is as easy to read as it is to look at.
- > Three-year extended warranty.

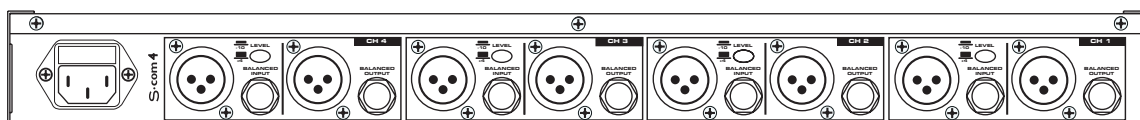
ARCHITECT'S & ENGINEER'S SPECIFICATIONS

The S•Com 4 shall be a 4 channel compressor/limiter. It shall have XLR and 1/4 inch inputs and outputs with a +4 / -10 operation output level switch. Each channel shall have an expander/gate with a switchable Release time, variable Trigger control, and gate open/close indicator. The compressor controls shall be Threshold, Ratio, and Output level. Each channel shall have an Enhancer switch to bring back the high frequencies lost due to heavy compression. LED Gain Reduction and Input/Output metering will be on all channels with a I/O meter switch to select input or output viewing on the meter. The unit shall have front panel bypass switches and a Stereo Link switch per pair. A standard IEC power cable shall be provided to connect to AC power.

FRONT PANEL



BACK PANEL



PRODUCT SPECIFICATION SHEET

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S•COM 4 PLUS SPECIFICATIONS

System Specifications

Frequency Response 20Hz to 20kHz + - 0.5 dB
Dynamic range..... 95 dB, un-weighted, 22 Hz to 22 kHz
THD 0.008 % typ. @ +4 dBu, 1 kHz
Crosstalk..... 90dB, 22 Hz to 22 kHz
Detector..... RMS

Expander/Gate

Trigger range variable (Off to +10 dB)
Attack..... Auto, variable <1 ms per 50 dB
Release Auto ,variable (Slow:100 ms / 1dB, Fast:100 ms/100 dB)

Compressor Section

Threshold -40 dB to +20 dB
Ratio variable (1:1 to ∞:1)
Output gain variable (-20 to +20 dB)

Function Switches

Gate Gate or Expander
Release..... Fast/slow
Enhancer In/Out
I/O Meter Switches the Input/Output meter to read input or output level
Stereo Link..... Linking two channels for stereo operation. Channel 1 becomes master for Channel 2. Channel 3 becomes master for Channel 4.
Level (Rear Pannel)..... Changes the internal reference level from +4 dBu to -10 dBV.

Meters & LED's

Gain Reduction..... 5 segment LED display: -24/-12/-6/-4/-2 dB
Input/Output level..... 5 segment LED display: -18/-6/0/+6/+9 dB
Auto Open/Closed 2 LED's under and over signal window
Function switch LED indicator in each (except Level Switch)

Audio Input

Connectors..... XLR and 1/4" TRS jack
Impedance 20k Ohm balanced, 10k Ohm unbalanced
Nominal Operating Level..... Selectable +4dBu/-10 dBV
Max. Input Level..... +21 dBu, balanced and unbalanced
CMRR..... Typ. 40dB, >55dB @ 1kHz

Audio Output

Connectors..... XLR and 1/4" jack
Impedance 60 Ohms balanced, 30 Ohms unbalanced
Max. Output Level..... +21 dBu, balanced and unbalanced

Power Supply

Mains Voltages/selectable USA/Canada ~120 V AC, 60 Hz
U.K./Australia..... ~240 V AC, 50 Hz
Europe..... ~230 V AC, 50 Hz
Power Consumption 5 Watts
Power inlet..... Standard IEC receptacle/ with fuse

Size

Dimensions 1 3/4" x 19" x 7 3/4"
44.5mm x 482.6mm x 188mm

Weight

Net Weight 5.25 lbs.(2.4 kg)
Shipping Weight 7.5 lbs.(3.4 kgs)

